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## JP4342951A2:COLD CATHODE TYPE FLUORESCENT DISCHARGE TUBE

#4

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Country:

JP Japan

Kind:

Inventor(s):

HASHIMOTO KAZUO

Applicant(s):

SONY CORP

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Issued/Filed Dates:

Nov. 30, 1992 / May 20, 1991

Application Number:

JP1991000115023

IPC Class:

H01J 61/54; H01J 61/30;

Abstract:

**Purpose:** To start stable discharge just when a voltage is impressed between electrodes in the put-off state, particularly even after long time leaving at a low temp. under darkness.

**Constitution:** An aux. electrode 5 is furnished near the electrode 3 of a cold cathode fluorescent discharge tube 1, which makes electric discharge when a voltage is impressed between electrodes 3, 4. Thereby a discharge starts first between the electrode 3 and the aux. electrode 5 at voltage impression between the electrodes 3, 4, and charged particles are generated in a glass tube 2. With these charged particles, discharge is started certainly between the electrodes 3, 4. This enables formation of a stably discharging state in a comparatively short time after the power is put on.

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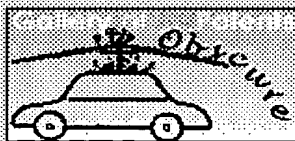
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DERABS G93-014242 DERG93-014242

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(72) Inventor: HASHIMOTO KAZUO

(74) Representative:

## (54) COLD CATHODE TYPE FLUORESCENT DISCHARGE TUBE

(57) Abstract:

**PURPOSE:** To start stable discharge just when a voltage is impressed between electrodes in the put-off state, particularly even after long time leaving at a low temp. under darkness.

**CONSTITUTION:** An aux. electrode 5 is furnished near the electrode 3 of a cold cathode fluorescent discharge tube 1, which makes electric discharge when a voltage is impressed between electrodes 3, 4. Thereby a discharge starts first between the electrode 3 and the aux. electrode 5 at voltage impression between the electrodes 3, 4, and charged particles are generated in a glass tube 2. With these charged particles, discharge is started certainly between the electrodes 3, 4. This enables formation of a stably discharging state in a comparatively short time after the power is put on.

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